



CERTIFICATE OF ANALYSIS

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1. Identification

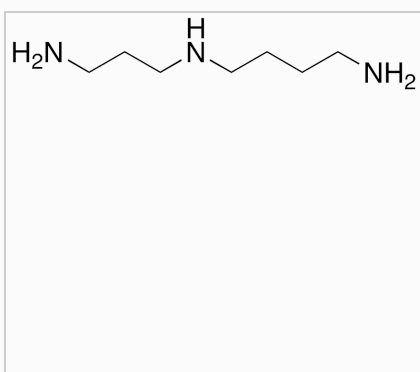
Catalogue Number: S680400

CAS Number: 124-20-9

Product: Spermidine

Synonym: N1-(3-Aminopropyl)-1,4-butanediamine; N-(3-Aminopropyl)-1,4-butanediamine; 1,5,10-Triazadecane; 1,8-Diamino-4-azaoctane; 4-Azaoctane-1,8-diamine; N-(3-Aminopropyl)-1,4-diaminobutane; N-(3-Aminopropyl)-4-aminobutylamine; N-(4-Aminobutyl)-1,3-diaminopropane; Spermidin;

Structure:



Molecular Formula:

C₇H₁₉N₃

Molecular weight:

145.25

Source of Product:

N/A

Solubility:

Chloroform (Soluble),
Methanol (Slightly)

Lot Number: 2023-QIU-291

Purity: 96%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless to Pale Yellow Oil to Low-Melting Solid	Clear Colourless Oil to Off-White Low-Melting Solid with White Particles
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 50.34, %H: 13.26, %N: 25.15
HPLC Purity	Report Result	98.58% (ELSD)
MS	Conforms to Structure	Conforms

Additional Information:

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Sarbjot Kaur	Neha Khanna	Christina Gouliaras	7/24/2023	7/22/2027
